
Subject: Re: time cost for file reading increasing!!! same file!
Posted by [Robert Moss, PhD](#) on Tue, 09 Feb 2010 01:16:04 GMT
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On Feb 8, 8:05 pm, minchen <mchen...@gmail.com> wrote:

```
> I use:
> mem=memory(/current)
> print,mem
>
> inside the loop, and the 'print,mem' always the same value
> and I also use the top command in the system to check the occupied
> memory, it does not change.
```

```
>
> On Feb 8, 4:58 pm, Chris <beaum...@ifa.hawaii.edu> wrote:
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>
>> On Feb 8, 1:20 pm, minchen <mchen...@gmail.com> wrote:
```

```
>
>>> Hi everyone,
>>> I meet a mysterious problem on IDL file reading.
>>> The problem is as following:
>>> I just read the same hdf5 file several times and see the time costing.
>>> I find the first 270 file reading is very quickly but after that, the
>>> reading speed drops down although the file is the same one.
```

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>
>>> The simple code is here:
>>> pro try
>>>   filename='./particles.h5'
>>>   file_id=h5f_open(filename)
>>>   for i=1,2 do begin
>>>     i=1                               ; here just for test, so it will
>>>     always read
>>>     print,'Systime=',Systime(0)       ; here output the systime
>>>     dataset_name='Electrons_at_PE_302'
>>>     dataset_id=h5d_open(file_id,dataset_name)
>>>     ptcl0=h5d_read(dataset_id)
>>>     h5d_close,dataset_id
>>>   endfor
>>>   h5f_close,file_id
>>> end
```

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>
>>> I have check the memory, it does not increase. So the memory should no
>>> problem.
```

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>>> Why the reading time increase? I am also sure there is no problem with
>>> the hard disk heating.
>>> So, what's the problem?
```

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>
>> What does your system memory look like? I don't know anything about
>> h5d_read, but if there is a memory leak, you could be running low on
```

```
>> RAM. Try adding in a line like
>> help,/memory
>> to the interior of the loop. None of the numbers should increase over
>> time unless you are leaking memory.
>
>> chris- Hide quoted text -
>
>> - Show quoted text -
>
>
```

Is this a local disk, or a network drive? Is it local but shared by other users? Your problem could potentially be caused by network traffic or other folks hitting the same drive.

r
